

DrayTek

VigorSwitch PQ2300xb/Q2300x

2.5GbE L2+ Managed Switch



DrayTek VigorSwitch Q2300x series features 2.5GbE ports for LAN and 10G SFP+ ports for uplink/downlink. When used with WiFi 6 VigorAPs (e.g., VigorAP 962C), the Q2300x series delivers full WiFi 6 performance to LAN clients. Supporting advanced Layer 3 features, DHCP Server and VLAN Routing. The PoE model PQ2300xb includes 8 PoE++ ports providing up to 90W per port and 16 PoE+ ports.



24x 2.5G Ethernet

Console Port

6x SFP+ Ports

Interface

LAN Port	24x 10/100/1000/2500Mbps Ethernet, RJ-45 6x 1000Mbps/10Gbps SFP+ slot
Console Port	1x RJ-45
Button	1x Factory Reset

PoE (PQ2300xb)

PoE++ (802.3af/at/bt) Ports	8
PoE+ (802.3af/at) Ports	16
PoE Power Budget	400 watts
Scheduled On/Off	•

Performance

Buffer Size	16 Mbit
Switching Capacity	240 Gbps
Forwarding Rate	178.56 Mpps (64 bytes)
MAC Address Table	32k
Jumbo Frame	Up to 12 KB
L3 Routing Table	•

Layer 3 Features

Static Route	•
VLAN Route	•
DHCP Server	•

Networking Standards

Ethernet Standards	802.3af PoE/802.3at PoE+/ 802.3bt PoE++ (PQ2300xb) 802.3 10Base-T 802.3u 100Base-T 802.3ab 1000Base-T 802.3bz 2.5GBase-T IEEE802.3ae 10GBase-X 802.3x Flow Control 802.3 Auto-Negotiation 802.1q Tag-based VLAN 802.1p Class of Service 802.1d STP 802.1w RSTP 802.1s MSTP 802.3ad LACP 802.1ad QinQ 802.1x Port Access Control 802.1AB LLDP 802.3az EEE
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Spanning Tree

STP	•
RSTP	•
MSTP	•

VLAN

Max.Number of VLAN	512
VLAN Type	802.1q Tag-based MAC-based Protocol-Based Management VLAN Voice VLAN Surveillance VLAN
GVRP	•
Q-in-Q	Basic

ONVIF Surveillance

Discovery	•
Surveillance Topology	•
Real-Time Video Streaming	•
ONVIF Device Maintenance	Device Info, Network Settings, Reboot, Time Settings, Reset to Factory Default

QoS

Number of QoS Queues	8
Queue Scheduling	SPQ, WRR
CoS (Class of Service)	CoS, DSCP, CoS-DSCP, IP Precedence
Rate Limiting	•

Multicast

IGMP Snooping	v2, v3 (BISS)
IGMP Querier	•
MLD Snooping	v1, v2
Max. Number of Multicast Group	256
Group Throttling/Filtering	•
MVR (Multicast VLAN Registration)	•

Security

Authentication Server	RADIUS, TACACS+
802.1X/MAC Authentication	•
IP Source Guard	•
Traffic Control	DoS Defense, Storm Control
Dynamic ARP Inspection (DAI)	•
DHCP Snooping	•
IP Conflict Prevention	•
Loop Protection	•

Link Aggregation

Max. Number of Group	8
Max. Number of Member in Each Group	8
Type	Static, LACP
Traffic Load Balancing	•

Management

Local Service	HTTP, HTTPS, Telnet, SSH v2
Config Backup/Restore	•
Dual Image	•
2-Level Administration Privilege	•
Access Control	Access List
OpenVPN Client	•
sFlow	•
SNMP	v1, v2c, v3
RMON Group	1, 2, 3, 9
SNTP (Simple Network Time Protocol)	•
LLDP	•
LLDP-MED	•
Mail Alert	Port Status, Port Speed, System Restart, IP Conflict, Hardware Monitor, Device Check, PoE Warning, ONVIF IP Cam Snapshot
VigorRouter Management (SWM)	•
VigorConnect Management	•
VigorACS Management	•

OpenFlow

Version	1.3
Table Size	1920

*The OpenFlow functionality is project-based and must be activated by DrayTek HQ. Please contact your Sales for further inquiries.

Physical

Operating Temperature	0 to 50°C
Storage Temperature	-20 to 70°C
Operating Humidity	10 to 90% non-condensing
Storage Humidity	5 to 90% non-condensing